

# MetroPulse

The Regional Indicators Project for Metropolitan Chicago

explore  
by topic



drill deeper  
into data

learn about  
the project

learn about  
the partners

MetroPulse is a web resource of the Regional Indicators Project, created in partnership by [The Chicago Community Trust](#) and the [Chicago Metropolitan Agency for Planning](#). This customizable site provides extensive data about issues that shape the livability of our communities. MetroPulse was created to facilitate effective decision making and to measure the region's progress in implementing the [GO TO 2040](#) comprehensive plan.

## ECONOMY unemployment rate



10.5% of workforce

[learn more](#)

## CULTURE arts employment



29,783 people

[learn more](#)

## ECONOMY poverty rate



11.7% of the population

[learn more](#)

## ENVIRONMENT greenhouse gas emissions



139.8 million metric tons

[learn more](#)

## HOUSING housing cost burden



42.3% of households pay at least 30% of income on housing

[learn more](#)

## CIVIC INVOLVEMENT voting rate



56% of population over age 18

[learn more](#)

## EDUCATION educational attainment



40.8% of adults age 25+ have at least an associate degree

[learn more](#)

## TRANSPORTATION weekday trips on public transit



approximately 2 million

[learn more](#)

## HEALTH infant mortality



7.17% of live births

[learn more](#)

## LAND USE land considered underutilized (Infill)



more than 100,000 acres

[learn more](#)

## SAFETY violent crimes



564.1 per 100,000 population

[learn more](#)

## COORDINATED ... previous plan implementation



41.3% of municipalities adopted recommendations

[learn more](#)



Chicago Metropolitan  
Agency for Planning

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CHICAGO  
COMMUNITY  
TRUST



## **PRESENTATION OBJECTIVES**

- **Participants will**
  - **understand objectives and process behind The Regional Indicators Project, including scenario evaluation.**
  - **understand the benefits that MetroPulse and similar data dissemination and visualization websites provide to the performance measures process.**





# CMAP GO TO 2040

THE  
CHICAGO  
COMMUNITY  
TRUST  
AND AFFILIATES





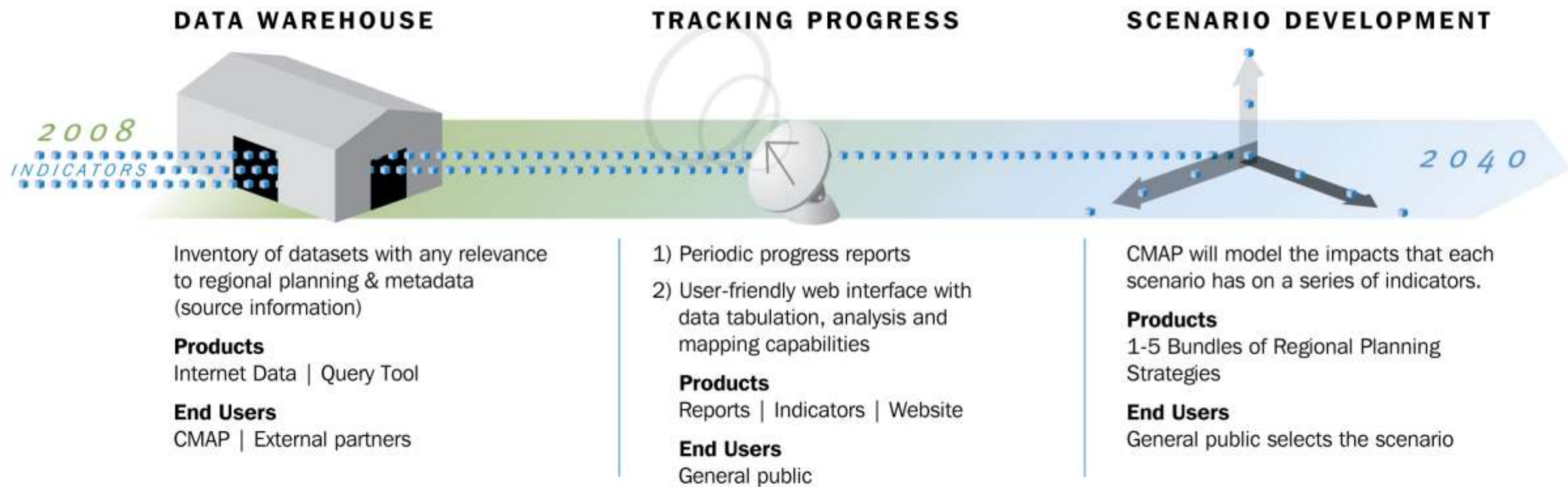
## DEVELOPING THE GO TO 2040 PLAN



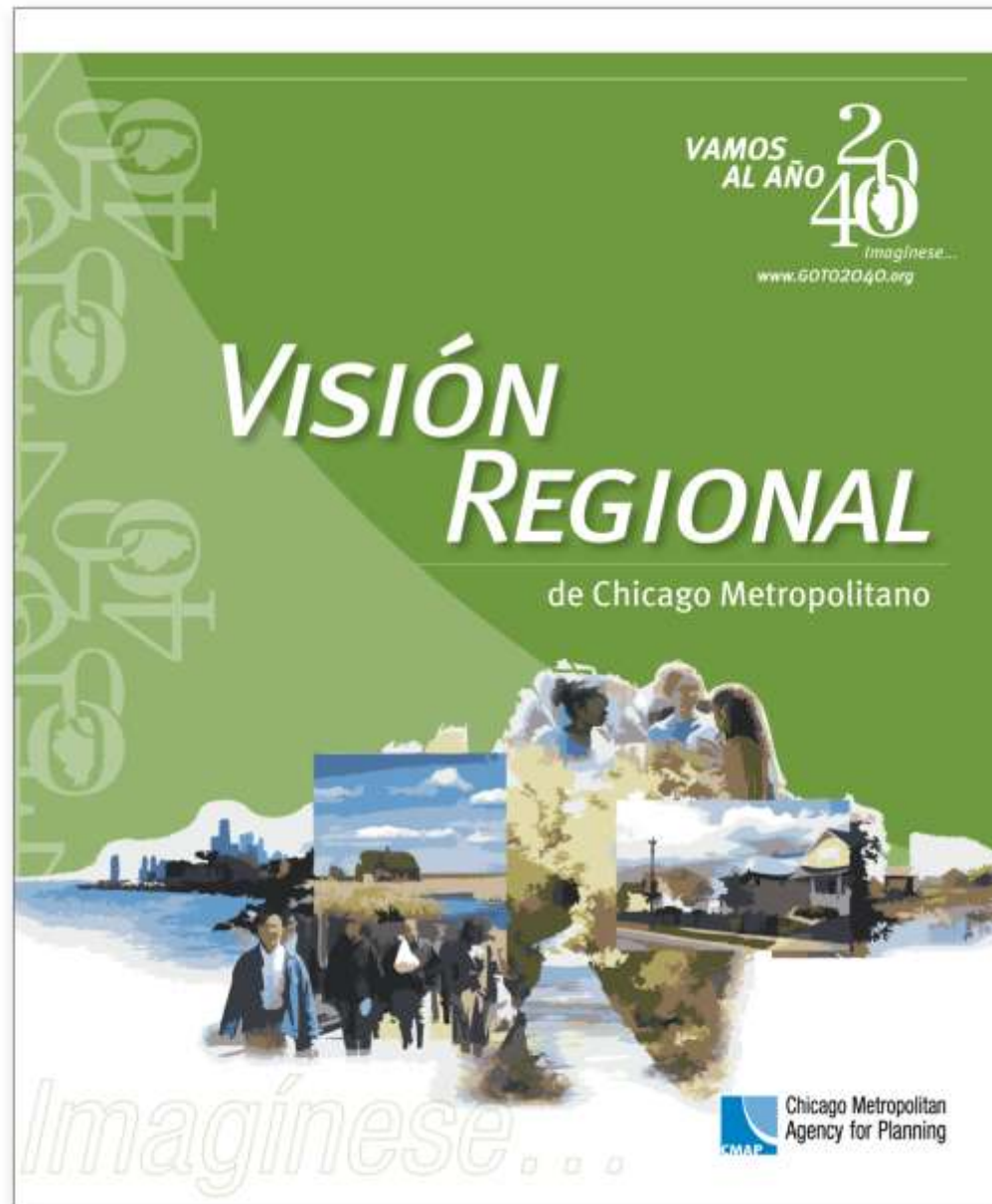
- 1 **Regional Vision**  
(Fall 2007 to Spring 2008)
- 2 **Research of Existing Conditions** (2008-2009)
- 3 **Public Input on Potential Strategies** (Continuous)
- 4 **Preferred Regional Scenario** (January 2010)
- 5 **Draft Plan**  
(June-September 2010)
- 6 **Plan Adopted Unanimously**  
(October 2010)

## Regional Indicators Project

CMAP staff and working committees are working in partnership with the Chicago Community Trust to measure our progress toward achieving the Regional Vision for 2040.



## 3A. SELECT INDICATORS POLICY AND PEOPLE



**Transportation - CMAP**

**Land Use - CMAP**

**Environment and Natural Resources - CMAP**

**Economic Competitiveness - CMAP**

**Housing - CMAP**

**Coordinated Planning and Governance - CMAP**

**Education and Workforce Development - CMAP/The Trust**

**Health - The Trust**

**Civic Engagement and Human Relations - The Trust**

**Safety - The Trust**

**Arts & Culture - The Trust**

**Equity**

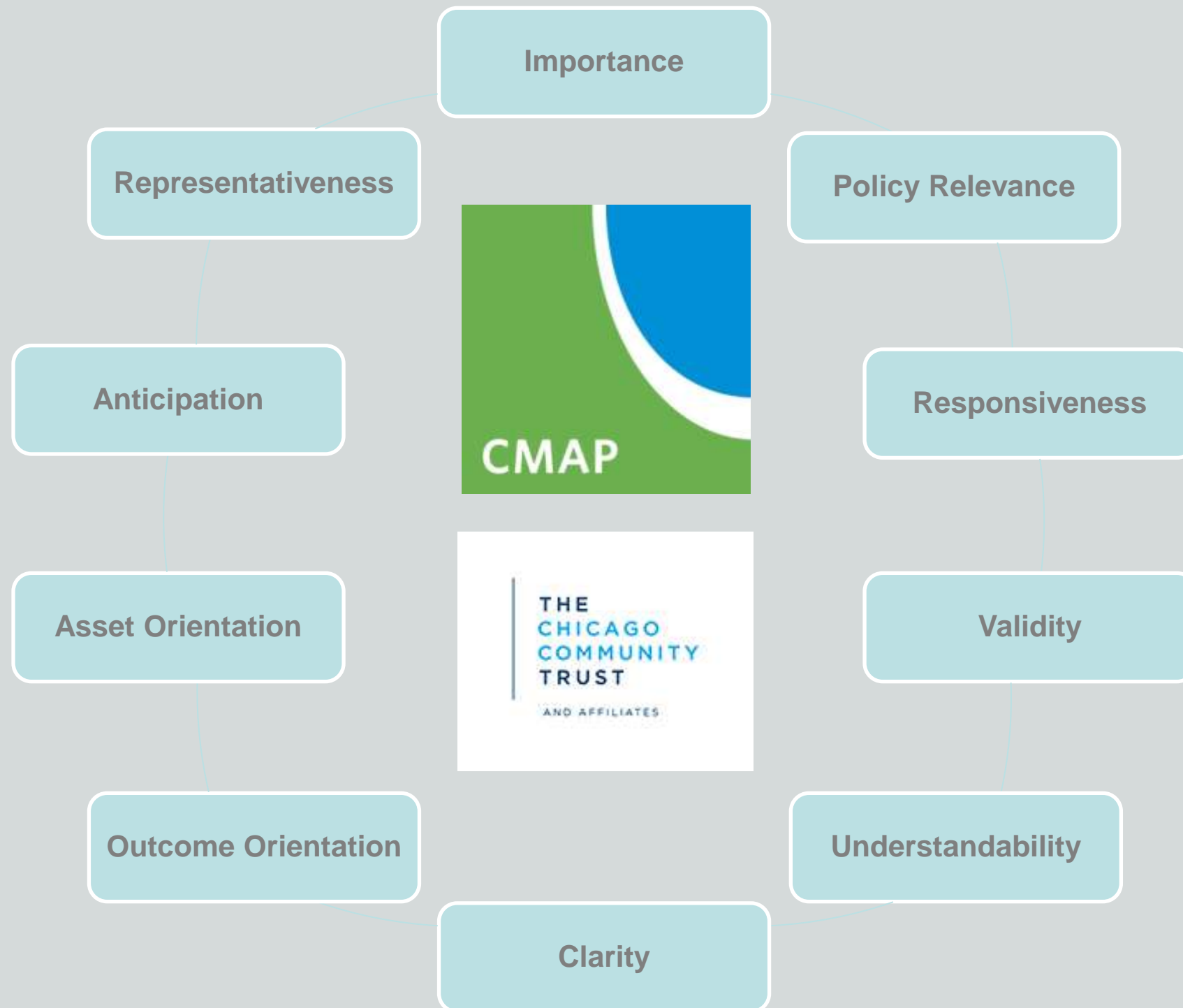
**Sustainability**

**Innovation**





## 3A. SELECT INDICATORS POLICY AND PEOPLE





## 3B. ACQUIRE AND PROCESS DATA

### EXTRACT, TRANSFORM, LOAD, RINSE & REPEAT



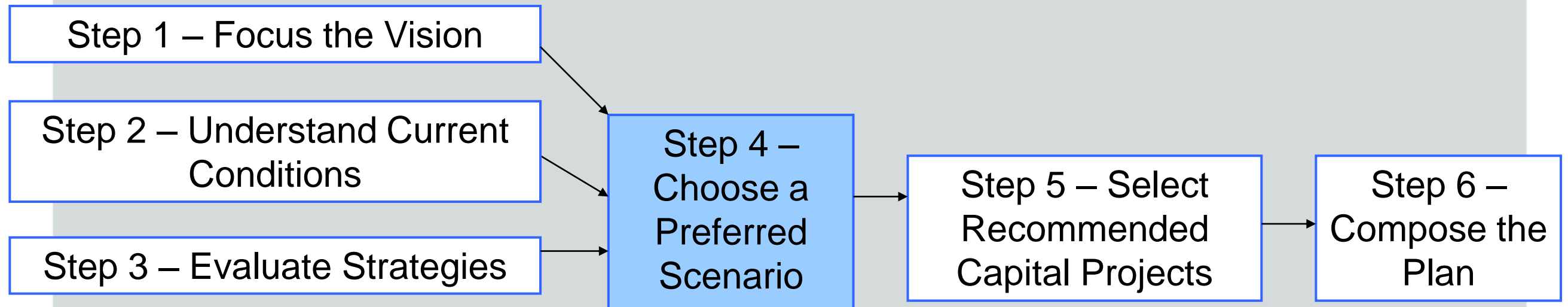
```
SELECT P010001 AS TOT_Race, P010002 AS NonHispaTot, P010003 AS  
NonHispaWht, P010004 AS NonHispBlc, P010005 AS NonHispNatv, P010006 AS  
NonHispaAsia, P010007 AS NonHispPaci, P010008 AS NonHispOthr, P010009 AS  
HispaTot, State & ILgeo.County & Tract & BLKGRP AS GeogKey, County_Nam AS  
County INTO Wht_NonHisp_BlGrp  
FROM (IL00002 INNER JOIN ILgeo ON IL00002.LOGRECNO = ILgeo.LOGRECNO)  
INNER JOIN FIPSCode_County ON ILgeo.County = FIPSCode_County.Co_FIPS  
WHERE ILgeo.COUNTY IN ('031','089','097','093','111','043','197') and sumlev =  
'150' and geocomp = '00'  
ORDER BY County, Tract, BLKGRP;
```

	A	B	C	D	E	F
1	GEOGNAME,C,254	GEOGKB	GEOG	C16001T	C16001E	C16001
2	Arlington Heights village	1702154	02154	72732	58953	2048
3	Aurora city	1703012	03012	162085	97904	53418
4	Bolingbrook village	1707133	07133	68457	44179	13979
5	Chicago city	1714000	14000	2534847	1619054	628292
6	Elgin city	1723074	23074	97674	58767	33996
7	Evanston city	1724582	24582	68323	56386	4231
8	Joliet city	1738570	38570	136618	102016	29443
9	Naperville city	1751622	51622	133713	106324	5429
10	Palatine village	1757225	57225	65359	46799	7804
11	Schaumburg village	1768003	68003	68877	46804	4217
12	Skokie village	1770122	70122	64433	30934	3749
13	Waukegan city	1779293	79293	84499	35577	42996





## **3C. ACQUIRE AND PROCESS DATA EVALUATE ALTERNATIVE SCENARIOS**



### **Alternative Thematic Scenarios**

*Preserve* our assets and limit change to the built environment; invest in human capital to create a “smarter region”

*Reinvest* heavily in infrastructure, focused in existing communities; pursue development that is infill, mixed-use, and transit-oriented

*Innovate* and adopt new technologies and ideas; use new energy sources, conservation techniques, and green development





# METRO QUEST *GO TO 2040*



Chicago Metropolitan  
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## Development Density

- ☐ Low density growth
- ☒ Current patterns of growth \*
- ☐ Moderately compact growth
- ☐ Highly compact growth

## Development Location

- ☒ Unfocused \*
- ☐ Community & metropolitan
- ☐ Metropolitan centers

## Road Network

## Transit System

- ☒ Minimum maintenance \*
- ☐ Moderate increase
- ☐ Significant increase

## Transportation Policy

- ☐ Favor driving
- ☒ Maintain current mix \*
- ☐ Support alternatives
- ☐ Strongly favor alternatives

## Resource Policy

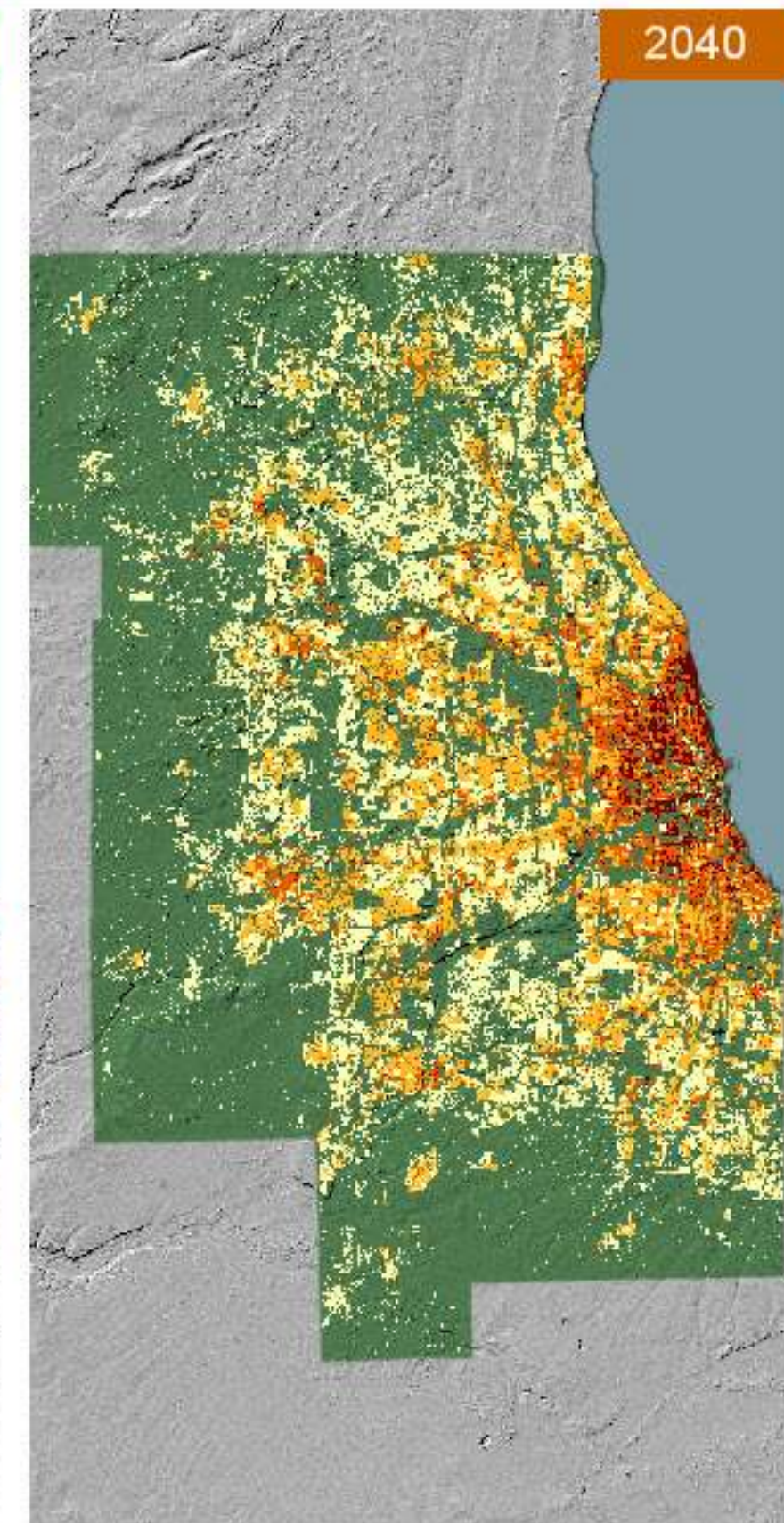
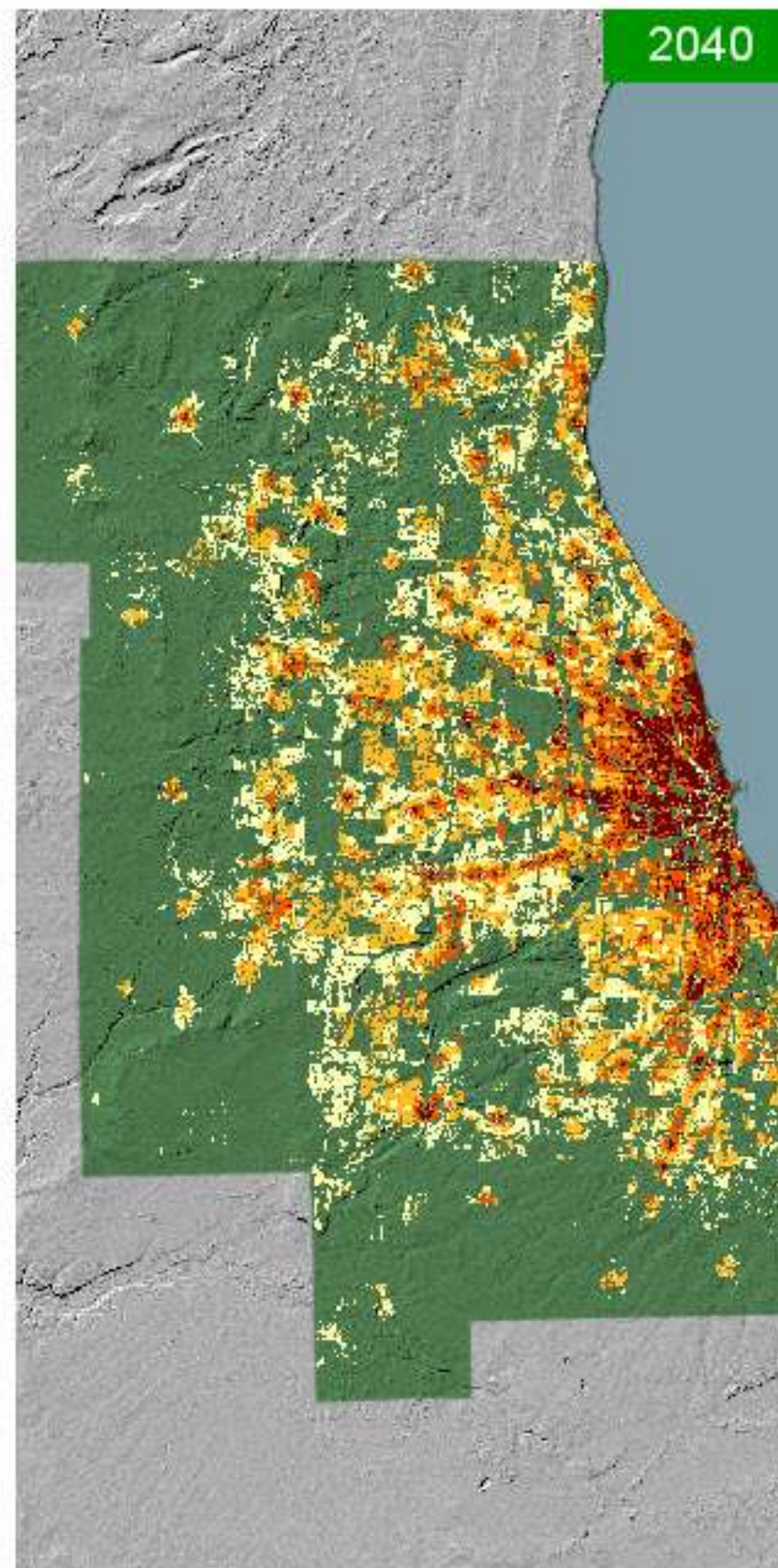
☒ Scenario A



☒ Current Trend



# Population Distribution





Development Density

Development Location

- ☐ Unfocused \*
- ☒ Community & metropolitan
- ☐ Metropolitan centers

Road Network

- ☐ Minimum maintenance \*
- ☒ Moderate increase
- ☐ Significant increase

Transit System

- ☐ Minimum maintenance \*
- ☐ Moderate increase
- ☒ Significant increase

Transportation Policy

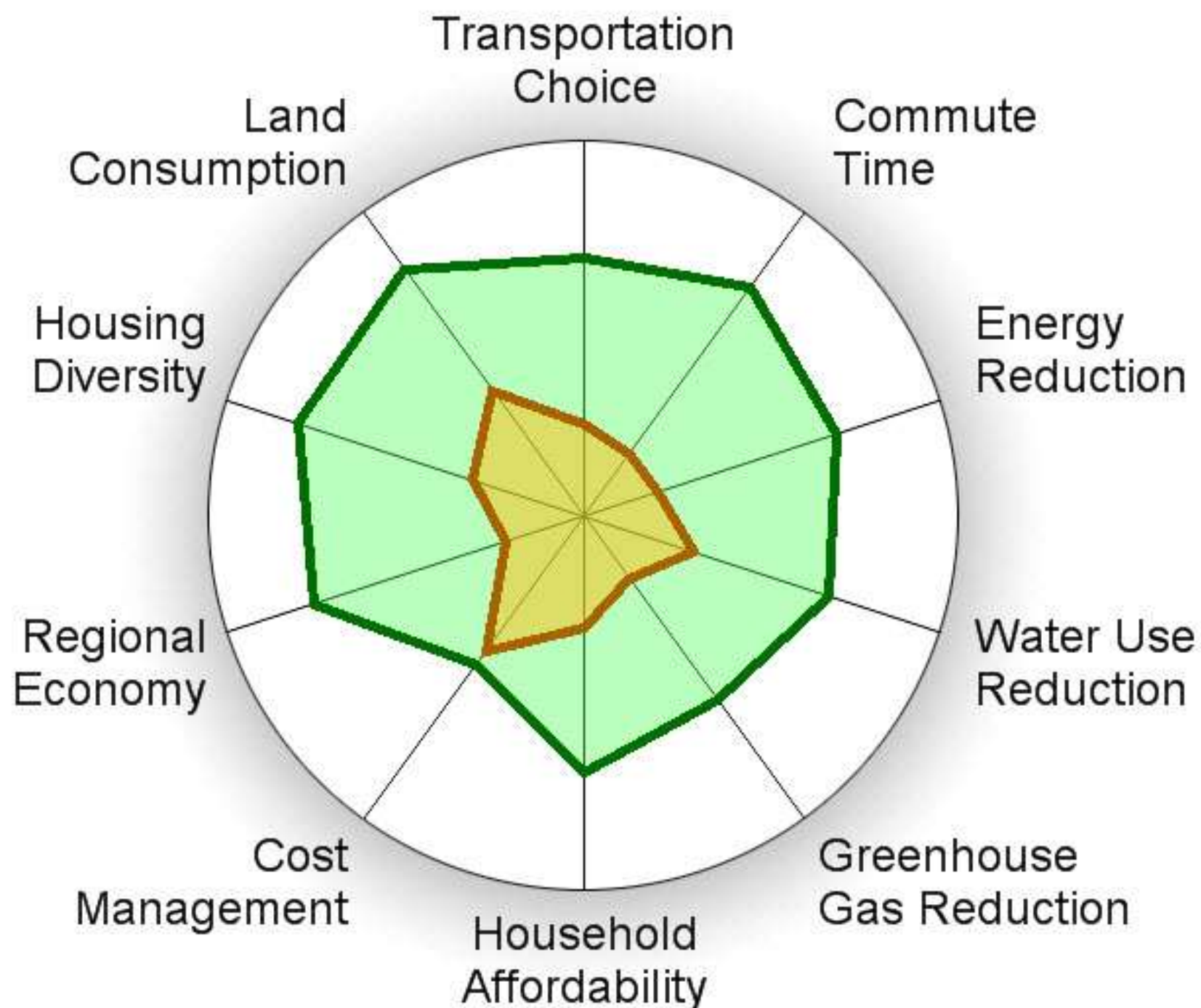
- ☐ Favor driving
- ☐ Maintain current mix \*
- ☒ Support alternatives
- ☐ Strongly favor alternatives

Resource Policy

☒ Scenario A ☐ Current Trend

# Scenario Summary

By Key Indicator





# Development Density

- Low density growth
- Current patterns of growth \*
- Moderately compact growth
- Highly compact growth

## Development Location

Road Network

Transit System

Transportation Policy

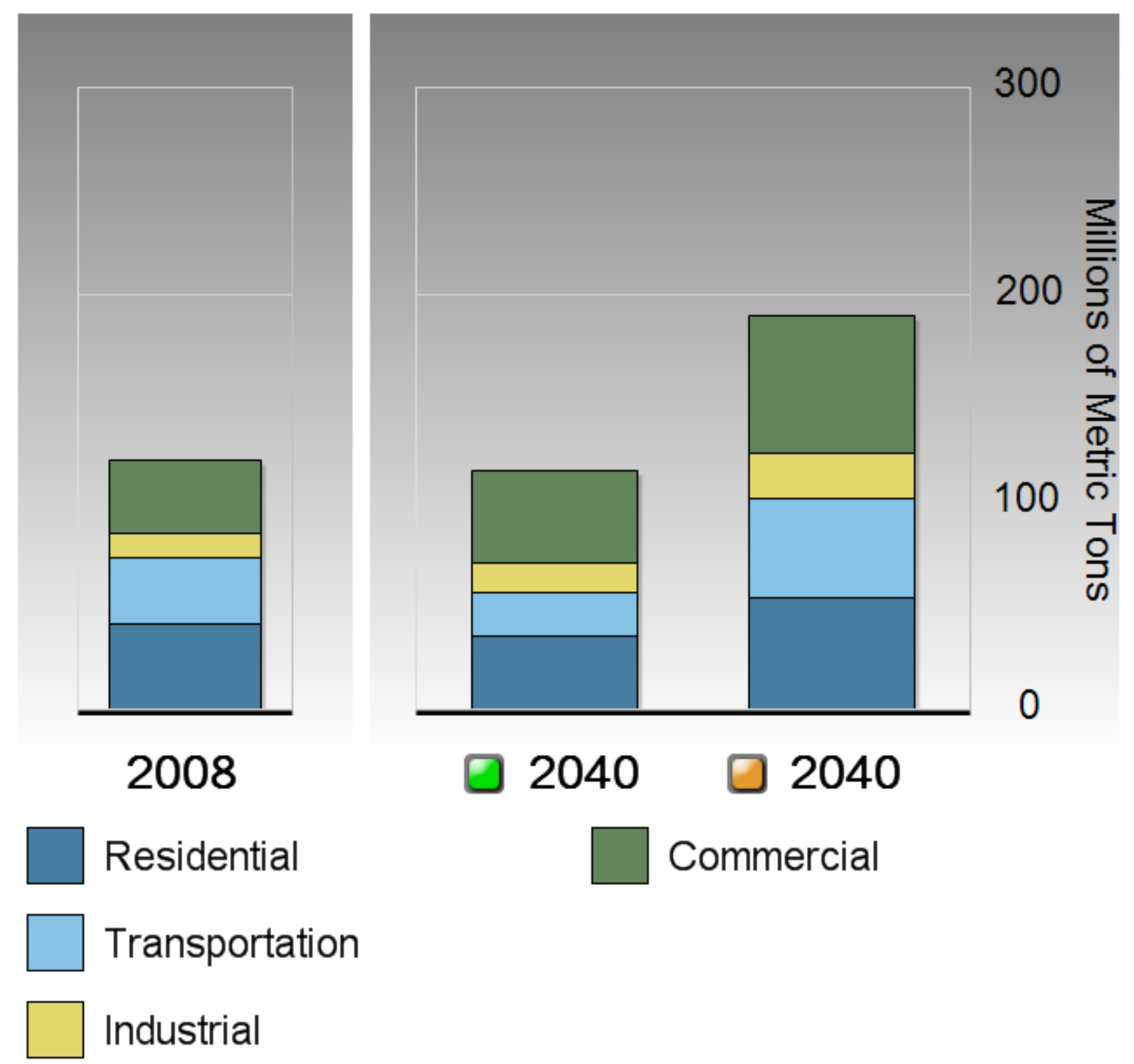
Resource Policy

Scenario 1

Current Trend

# Greenhouse Gas Emissions

CO2 Equivalent, By Sector (Annual)





### **3D. DEVELOP WEB PORTAL**

#### **TRACK PROGRESS OF GO TO 2040**

**prioritized visualizations over a time series**

**prioritized data pertaining to the 7-county region**

**developed controls that would allow the user to manipulate data within these parameters easily**





## 4. DEMONSTRATION

[WWW.METROPULSECHICAGO.ORG](http://WWW.METROPULSECHICAGO.ORG)

for the public for the media for researchers for government officials

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### TRANSPORTATION

weekday trips on public transit



approximately **2 million**

[learn more](#)

### CULTURE

arts employment



**33,014** people

[learn more](#)

### ECONOMY

unemployment rate



**9%** of workforce (IDES: Nov 2010)

[learn more](#)

### ECONOMY

poverty rate



**12.5%** of the population (ACS: 2009)

[learn more](#)

### ENVIRONMENT

greenhouse gas emissions



**139.8 million metric tons**

[learn more](#)

### HOUSING

housing cost burden



**43.9%** of households pay at least 30% of income on housing (ACS: 2009)

[learn more](#)

### CIVIC INVOLVEMENT

voting rate



**56%** of population over age 18

[learn more](#)

### EDUCATION

educational attainment



**40.8%** of adults age 25+ have at least an associate degree

[learn more](#)

### HEALTH

infant mortality



**7.17** per 1,000 live births

[learn more](#)

### LAND USE

land considered underutilized (infill)



more than **100,000** acres

[learn more](#)

### SAFETY

violent crimes



**564.1** per 100,000 population

[learn more](#)

### COORDINATED PLANNING

previous plan implementation



**41.3%** of municipalities adopted recommendations

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## 5. BENEFITS OF METROPULSE

### FLEXIBLE, USEFUL, SUSTAINABLE

Transparency

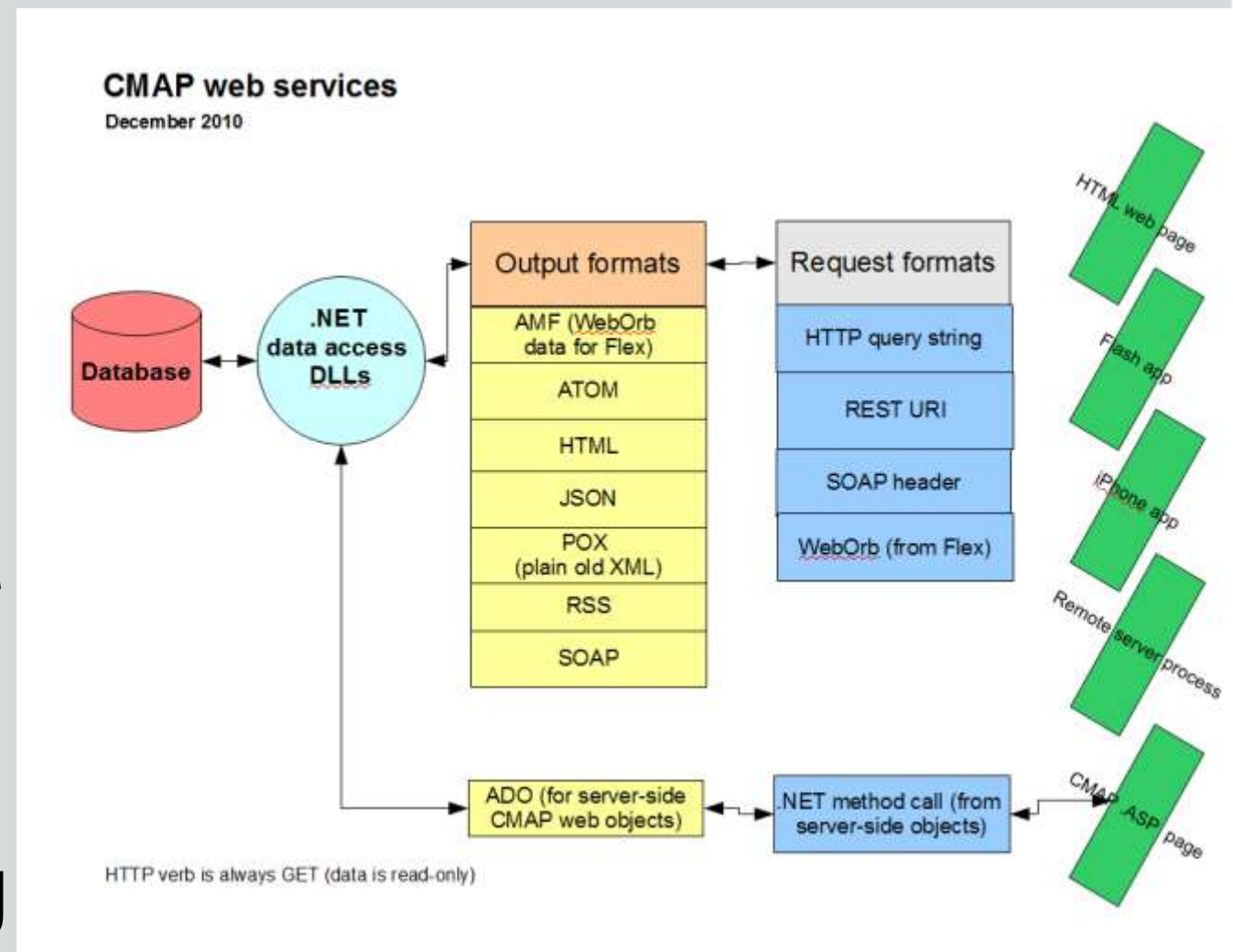
Accountability

One-stop data shop

Free visualization toolkit

Greater usability

API underlies everything





## 6. NEXT STEPS

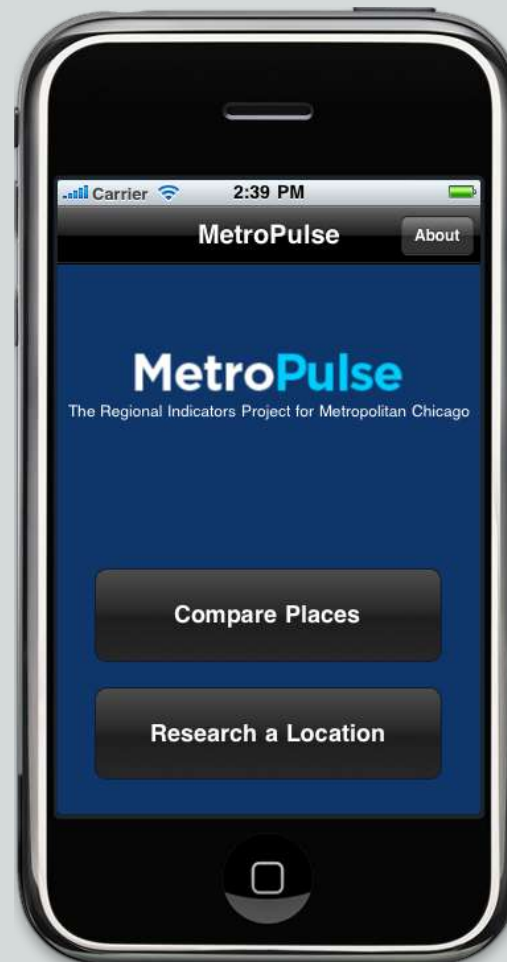
### UPDATE, IMPROVE, DECENTRALIZE



ETL, always

iPhone app

Apps contest





**Questions? Thanks!**

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